

What is claimed is:

1. A method for resolution services of special domain names, comprising steps of:

(1) receiving and databasing information related to domain names and keywords if plural contents providers connect to a special domain name resolution server and requests a registration;

(2) linking the plural contents providers in which the special domain name server is registered with a special domain name service program and a special domain name database information;

(3) automatically installing the special domain name service program by downloading the special domain name service program and the special domain name database information to a terminal of a connection service user upon connecting to the contents of the contents provider; and

(4) transferring to the user's terminal an IP address corresponding to the queried domain name by identifying the domain name and a user's IP address queried to the special domain name server if the service user is connected based on the special domain name database information with the execution of the special name service program installed in step(3).

2. The method as claimed in claim 1, wherein the special domain name server provides at least one of Global Load Balance(GLB) service, Server Load Balance(SLB) service, language-by-country keyword resolution service, and domain name resolution service.

3. The method as claimed in claim 1, wherein the step(2) of linking the special domain name service program and the domain name database information with the plural contents providers is to link

by using object tags and corresponding object parameters in the HTML of homepages of the contents providers.

4. The method as claimed in claim 2, wherein the step(2) of linking the special domain name service program and the special domain name database information with the plural contents providers is to link by using object tags and corresponding object parameters in the HTML of homepage of the contents providers.

5. The method as claimed in claim 1, wherein the special domain name service program in the step(2) includes steps of:

(2-1) plugging in a web browser and other internet desktop application program in a subscriber PC in order to connect to a specific CP on the internet or executing the special domain name service program for directly connecting to the special domain name server by a DLL process injection method;

(2-2) calling the domain name from the web browser or the other internet desktop application program for the connection to the CP;

(2-3) carrying out a socket API interrupt as to information related to the domain name to be sent to a DNS;

(2-4) identifying whether the domain name information exists in the special domain name database;

(2-5) carrying out a query about the special domain name to a corresponding special domain name server associated to the contents providers existing in the special domain name database if present as a result of the identification of step(2-4);

(2-6) connecting to a contents server resolved in step(2-5);
and

(2-7) connecting to a pre-set local DNS server if absent as a result of the identification of step(2-4).

6. The method as claimed in claim 2, wherein the special domain name service program in the step(2) includes steps of:

5 (2-1) plugging in a web browser and other internet desktop application program in a subscriber PC in order to connect to a specific CP on the internet or executing the special domain name service program for directly connecting to the special domain name server by a DLL process injection method;

10 (2-2) calling the domain name from the web browser or the other internet desktop application program for the connection to the CP;

(2-3) carrying out a socket API interrupt as to information related to the domain name to be sent to a DNS;

15 (2-4) identifying whether the domain name information exists in the special domain name database;

(2-5) carrying out a query about the special domain name to a corresponding special domain name server associated to the contents providers existing in the special domain name database if present as
20 a result of the identification of step(2-4);

(2-6) connecting to a contents server resolved in step(2-5);
and

(2-7) connecting to a pre-set local DNS server if absent as a result of the identification of step(2-4).

25 7. The method as claimed in claim 3, wherein the special domain name service program in the step(2) includes steps of:

(2-1) plugging in a web browser and other internet desktop

application program in a subscriber PC in order to connect to a specific CP on the internet or executing the special domain name service program for directly connecting to the special domain name server by a DLL process injection method;

5 (2-2) calling the domain name from the web browser or the other internet desktop application program for the connection to the CP;

 (2-3) carrying out a socket API interrupt as to information related to the domain name to be sent to a DNS;

 (2-4) identifying whether the domain name information exists in the special domain name database;

 (2-5) carrying out a query about the special domain name to a corresponding special domain name server associated to the contents providers existing in the special domain name database if present as a result of the identification of step(2-4);

 (2-6) connecting to a contents server resolved in step(2-5);
and

 (2-7) connecting to a pre-set local DNS server if absent as a result of the identification of step(2-4).

20 8. The method as claimed in claim 4, wherein the special domain name service program in the step(2) includes steps of:

 (2-1) plugging in a web browser and other internet desktop application program in a subscriber PC in order to connect to a specific CP on the internet or executing the special domain name
25 service program for directly connecting to the special domain name server by a DLL process injection method;

 (2-2) calling the domain name from the web browser or the

other internet desktop application program for the connection to the CP;

(2-3) carrying out a socket API interrupt as to information related to the domain name to be sent to a DNS;

5 (2-4) identifying whether the domain name information exists in the special domain name database;

(2-5) carrying out a query about the special domain name to a corresponding special domain name server associated to the contents providers existing in the special domain name database if present as a result of the identification of step(2-4);

(2-6) connecting to a contents server resolved in step(2-5);
and

(2-7) connecting to a pre-set local DNS server if absent as a result of the identification of step(2-4).

9. The method as claimed in claim 1, wherein the special domain service program in step(3) is automatically installed in an operating system of a user's PC by using the windows system message hooking technology.

20 10. The method as claimed in claim 2, wherein the special domain service program in step(3) is automatically installed in an operating system of a user's PC by using the windows system message hooking technology.

25 11. The method as claimed in claim 3, wherein the special domain service program in step(3) is automatically installed in an operating system of a user's PC by using the windows system message hooking technology.

12. The method as claimed in claim 4, wherein the special

domain service program in step(3) is automatically installed in an operating system of a user's PC by using the windows system message hooking technology.

13. The method as claimed in claim 5, wherein the special domain service program in step(3) is automatically installed in an operating system of a user's PC by using the windows system message hooking technology.

14. The method as claimed in claim 6, wherein the special domain service program in step(3) is automatically installed in an operating system of a user's PC by using the windows system message hooking technology.

15. The method as claimed in claim 7, wherein the special domain service program in step(3) is automatically installed in an operating system of a user's PC by using the windows system message hooking technology.

16. The method as claimed in claim 8, wherein the special domain service program in step(3) is automatically installed in an operating system of a user's PC by using the windows system message hooking technology.

17. The method as claimed in claim 1, wherein the step(3) for downloading the special domain name service program and the special domain name database information to the user's terminal by the contents providers includes steps of:

(3-1) checking by the contents providers whether the special domain name service program is installed when the user is connected;

(3-2) requesting the installation of components in an appropriate version for the system if the components are not

installed in step(3-1); and

(3-3) requesting the re-installation of the components in case that the version is not appropriate by checking whether the version of the installed components are appropriate.

5 18. The method as claimed in claim 2, wherein the step(3) for downloading the special domain name service program and the special domain name database information to the user's terminal by the contents providers includes steps of:

(3-1) checking by the contents providers whether the special domain name service program is installed when the user is connected;

(3-2) requesting the installation of components in an appropriate version for the system if the components are not installed in step(3-1); and

(3-3) requesting the re-installation of the components in case that the version is not appropriate by checking whether the version of the installed components are appropriate.

19. The method as claimed in claim 3, wherein the step(3) for downloading the special domain name service program and the special domain name database information to the user's terminal by the contents providers includes steps of:

(3-1) checking by the contents providers whether the special domain name service program is installed when the user is connected;

(3-2) requesting the installation of components in an appropriate version for the system if the components are not installed in step(3-1); and

(3-3) requesting the re-installation of the components in case that the version is not appropriate by checking whether the version

of the installed components are appropriate.

20. The method as claimed in claim 5, wherein the step(3) for downloading the special domain name service program and the special domain name database information to the user's terminal by the contents providers includes steps of:

(3-1) checking by the contents providers whether the special domain name service program is installed when the user is connected;

(3-2) requesting the installation of components in an appropriate version for the system if the components are not installed in step(3-1); and

(3-3) requesting the re-installation of the components in case that the version is not appropriate by checking whether the version of the installed components are appropriate.

21. The method as claimed in claim 9, wherein the step(3) for downloading the special domain name service program and the special domain name database information to the user's terminal by the contents providers includes steps of:

(3-1) checking by the contents providers whether the special domain name service program is installed when the user is connected;

(3-2) requesting the installation of components in an appropriate version for the system if the components are not installed in step(3-1); and

(3-3) requesting the re-installation of the components in case that the version is not appropriate by checking whether the version of the installed components are appropriate.

22. A method for resolution services of special domain names, comprising steps of:

(1) plugging in a web browser and other internet desktop application program in a subscriber PC in order to connect to a specific CP on the internet or executing a special domain name service program for directly connecting to a special domain name server by a DLL process injection method;

(2) calling a domain name from the web browser or the other internet desktop application program for the connection to the CP;

(3) carrying out a socket API interrupt as to information related to the domain name to be sent to a DNS;

(4) identifying whether the domain name information exists in a special domain name database;

(5) carrying out a query about the special domain name to a corresponding special domain name server associated to contents providers existing in the special domain name database if present as a result of the identification of step(4);

(6) connecting to a contents server resolved in step(5); and

(7) connecting to a pre-set local DNS server if absent as a result of the identification of step(4).

23. A computer-readable storage medium, comprising steps of:

(1) plugging in a web browser and other internet desktop application program in a subscriber PC in order to connect to a specific CP on the internet or executing a special domain name service program for directly connecting to a special domain name server by a DLL process injection method;

(2) calling a domain name from the web browser or the other internet desktop application program for the connection to the CP;

(3) carrying out a socket API interrupt as to information

related to the domain name to be sent to a DNS;

(4) identifying whether the domain name information exists in a special domain name database;

(5) carrying out a query about the special domain name to a corresponding special domain name server associated to contents providers existing in the special domain name database if present as a result of the identification of step(4);

(6) connecting to a contents server resolved in step(5); and

(7) connecting to a pre-set local DNS server if absent as a result of the identification of step(4).